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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/228,445	01/11/1999	WILLIAM W. FREITAG JR.	5000-74400	8570

7590

01/24/2003

KEVIN L DAFFER  
CONLEY ROSE & TAYON  
P O BOX 398  
AUSTIN, TX 787670398

EXAMINER

NGUYEN, PHUONGCHAU BA

ART UNIT

PAPER NUMBER

2665

DATE MAILED: 01/24/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**Advisory Action**

Application No.

09/228,445

Applicant(s)

FREITAG ET AL.

Examiner

Phuongchau Ba Nguyen

Art Unit

2665

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 27 December 2002 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

**PERIOD FOR REPLY [check either a) or b)]**

- a) ☒ The period for reply expires 3 months from the mailing date of the final rejection.
- b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1. ☐ A Notice of Appeal was filed on \_\_\_\_\_. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
2. ☐ The proposed amendment(s) will not be entered because:
- (a) ☐ they raise new issues that would require further consideration and/or search (see NOTE below);
  - (b) ☐ they raise the issue of new matter (see Note below);
  - (c) ☐ they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
  - (d) ☐ they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: \_\_\_\_\_

3. ☐ Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.
4. ☐ Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
5. ☒ The a) ☐ affidavit, b) ☐ exhibit, or c) ☒ request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.
6. ☐ The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.
7. ☒ For purposes of Appeal, the proposed amendment(s) a) ☒ will not be entered or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: \_\_\_\_\_

Claim(s) objected to: 12 and 13.Claim(s) rejected: 1-11 and 14-16.

Claim(s) withdrawn from consideration: \_\_\_\_\_

8. ☐ The proposed drawing correction filed on \_\_\_\_\_ is a) ☐ approved or b) ☐ disapproved by the Examiner.
9. ☐ Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). \_\_\_\_\_
10. ☐ Other: \_\_\_\_\_

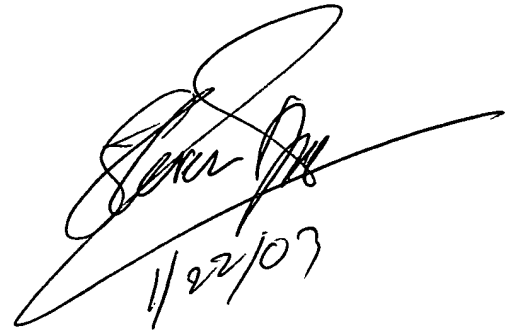
Continuation of 5. does NOT place the application in condition for allowance because:

-first, applicant argued that the cited prior art does not teach "a plurality of functional units operably coupled in series, wherein each functional unit is configured to perform a specific function of a serial communication protocol"; in reply, applicant is directed to figure 3 in Kumar wherein a plurality of functional units (i.e., 78, 76, 82, 84, 90, 92) coupled in series and each performs a specific function (i.e., 78 for time slot multiplexers, see col.5, lines 56-59; 76 for providing multi-protocol frames and transmitting and receiving FIFO and frame logic, see col.27, lines 15-35; 82 for transferring data from transfer bus 86 and memory 84 to any one of the controllers 72, 74, 76, see col.6, lines 6-9). Also, Rowett discloses in figure 11A a plurality of functional units (i.e., TSA, SCC, SerialChannel, DMAC, FIFO) are coupled in serial and each performs a specific functional (i.e., DMAC for reading and writing bus transactions, see col.9, lines 46-47; FIFO for buffering/storing data, see col.10, lines 25-27; TSA for assembling and disassembling TDM frame, see col.13, lines 18-20; SCC for receiving and transmitting data from FIFO, see col.12, lines 19-25; SLM for routing data outputs from SCC to appropriate external I/O pins, see col.12, lines 7-16.)

-second, applicant argued that a plurality of functional units operate alternately upon portions of the multiple serial data channels of received serial data stream; in reply, applicant is directed to figure 3 of Kumar wherein a plurality of functional units (78, 76, 82, 84, 90, 92) are coupled in series thus they are transmitted alternately from 78 to 92 or vice versa. Also, Rowett discloses in figure 11A wherein a plurality of functional units are coupled in series and transmitting bi-directional (i.e., from DMAC to TSA or vice versa, thus the TSA is operated at different time to SCC or serial channel or DMAC) .

PN

P.Nguyen  
AU 2665



1/22/07